

Appl. No. 10/067,449

Reply to Office Action of 25 January 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-2 (canceled)

Claim 3 (previously presented): A method for generating a strain of the yeast *Saccharomyces cerevisiae*, comprising the steps of:

- a) providing a strain of *Saccharomyces cerevisiae* yeast,
- b) eliminating the function of all hexose transporters of the strain of yeast from a) by mutating or deleting the relevant genomic sequences,
- c) subjecting the strain from step b) to further mutagenesis, and
- d) screening the mutated strains from step c) for the ability to grow on a substrate with a hexose as the only carbon source when a GLUT4 gene is expressed in the strain.

Claims 4-26 (canceled)

Claim 27 (currently amended): The method of claim 3, wherein step c) comprises:

- c₁) transforming the strain from step b) with a vector comprising the GLUT1 gene under the functional control of a promoter which can be expressed in yeast,
- c₂) subjecting the transformed strain of step c₁) to further mutagenesis,
- c₃) screening the transformed, mutated strain from step c₂) for the ability to grow on a substrate with a hexose as the only carbon source,
- c₄) isolating a transformed, mutated strain identified in step c₃) as having the ability to grown on a substrate with a hexose as the only carbon source, and
- c₅) removing the vector comprising the GLUT1 gene from the isolated strain of step c₄).

Claim 28 (canceled)

Claim 29 (new): A strain of the yeast *Saccharomyces cerevisiae* which can no longer grow on substrates with hexoses as the only carbon source and whose ability of growing on a substrate with a hexose as the only carbon source is restored when a GLUT4 gene is expressed in

Appl. No. 10/067,449

Reply to Office Action of 25 January 2005

this strain, wherein said strain is deposited at the Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH as DSM 14035, DSM 14036 or DSM 14037.

Claim 30 (new): The strain of the yeast *Saccharomyces cerevisiae* as claimed in claim 29 which comprises a GLUT4 gene and is deposited at the Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH as DSM 14038, DSM 14039 or DSM 14040.